



SELEXIBLE
— 喜 莱 仕 —

JIANGSU SELEXIBLE PLASTIC GROUP

Address: No. 16 Fengxiang Rd, Wujin, Changzhou, Jiangsu, China

E-mail:sale@selexible.cn Tel:+86-13706124465 Web:www.selexibleplastic.com

Technical Data Sheet: Cast Acrylic Sheet for Aquariums

Material Type	Cast Polymethyl Methacrylate (PMMA)
Thickness	30mm ($\pm 5\%$ tolerance)
Dimensions	Standard sheet size 2000mm x 3000mm (custom sizes available)
Light Transmission	$\geq 92\%$ (visible spectrum)
Refractive Index	1.49
Density	1.19 g/cm ³
Tensile Strength	70-75 MPa
Flexural Strength	110-120 MPa
Impact Resistance	16-18 kJ/m ² (Izod notched)
Water Absorption	<0.4% (24-hour immersion)
Thermal Expansion	7×10^{-5} /°C
Softening Point	100-110°C (Vicat)
Continuous Service Temperature	-40°C to +80°C
UV Resistance	Excellent (UV-stabilized for outdoor/aquarium use)
Chemical Resistance	Resistant to freshwater, seawater, and most diluted acids/alkalis. Avoid alcohols and solvents.